

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S63	23	zitting.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 06:40
S61	3108	S60 and o-ring	USPAT; USOCR	OR	ON	2006/09/11 06:40
S60	49363	("277").CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 06:40
S59	102	S58 and energizer	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 06:40
S58	31939	("277").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/09/11 06:40
S56	82	(277/472).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/11 06:40
S55	124	(277/468).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/11 06:40
S54	360	(277/467).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/11 06:40
S53	81	(277/435).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/11 06:40
S51	3816	S41 or S42 or S43 or S44 or S45 or S47 or S49	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 06:40
S57	161	(277/460).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/11 06:45
S70	248	"277".clas. and S69	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 06:48
S68	707	"277".clas. and S67	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 06:48
S67	2834	(piston adj ring) and groove and continuous	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 06:48
S66	38	"277".clas. and S65	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 06:48
S65	322	(piston adj ring) and depression and continuous	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 06:48
S69	405	(piston adj ring) with continuous and groove	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 06:57

EAST Search History

S73	260	(piston adj ring) with sleeve and continuous	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 06:58
S72	1078	(piston adj ring) with sleeve	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 06:58
S71	0	(piston adj ring) with sleeve and continous and groove	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 06:58
S76	21	("2003764" "2012956" "2074581" "2228495" "2296116" "3047301" "3198531" "3600045" "3704893" "3742823" "4877257").PN. OR ("1736530" "5450783").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 07:01
S75	2	((("5450783") or ("1736530"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/09/11 07:01
S74	19	"277".clas. and S73	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 07:01
S79	0	(piston adj ring) and S78	USPAT	OR	ON	2006/09/11 07:23
S78	213	radke.in.	USPAT	OR	ON	2006/09/11 07:23
S77	5	("3198531").URPN.	USPAT	OR	ON	2006/09/11 07:23
S80	1	"277".clas. and S78	USPAT	OR	ON	2006/09/11 07:25
S81	3	packing and S78	USPAT	OR	ON	2006/09/11 07:26
S82	1	("3124502").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/11 07:28
S85	13	"277".clas. and S84	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 07:31
S83	4042	(piston adj ring) and elongat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 07:31
S84	156	(piston adj ring) and elongat\$3 with increas\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 07:34
S88	11	S87 not S85	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 07:35
S87	24	"277".clas. and S86	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 07:35
S86	220	(piston adj ring) and (elongat\$3 or stretch\$3) with increas\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 07:35

EAST Search History

S89	7	("3814445" "4422649" "4592559" "4785922").PN. OR ("6176492").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 08:09
S90	23	("2658808" "2844423" "2983529" "3600045" "3814445" "4103594" "4346685" "4351227" "4466624" "4629200" "4676143" "4714259" "4877257" "4928577").PN. OR ("5050892").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 08:10
S62	3850	S53 or S54 or S55 or S56 or S57 or S59 or S61	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 11:13
L14	3850	L5 or L6 or L7 or L8 or L9 or L11 or L13	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 11:13
L13	3108	L12 and o-ring	USPAT; USOCR	OR	ON	2006/09/11 11:13
L12	49363	("277").CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/11 11:13
L11	102	L10 and energizer	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 11:13
L10	31939	("277").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/09/11 11:13
L9	161	(277/460).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/11 11:13
L8	82	(277/472).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/11 11:13
L7	124	(277/468).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/11 11:13
L6	360	(277/467).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/11 11:13
L5	81	(277/435).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/11 11:13
L15	3649	L14 not (split adj ring)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 11:14
L17	653	(5 or 6 or 7 or 8 or 9) not ((split adj ring) or cut)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 11:16
L18	635	(5 or 6 or 7 or 8 or 9) not ((split adj ring) or cut or segment or interlock\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 11:17

EAST Search History

L19	588	(5 or 6 or 7 or 8 or 9) not ((split adj ring) or cut or segment or interlock\$3 or gap)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 11:18
L20	317	(5 or 6 or 7 or 8 or 9) not ((split adj ring) or cut or segment or interlock\$3 or gap or beveled) and piston	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 11:20
L21	305	(5 or 6 or 7 or 8 or 9) not ((split adj ring) or split or cut or segment or interlock\$3 or gap or beveled) and piston	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 11:26
L22	20	(5 or 6 or 7 or 8 or 9) not ((split adj ring) or split or cut or segment or interlock\$3 or gap or beveled) and piston and (install or installation or installed or installing)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 11:27
L16	703	(5 or 6 or 7 or 8 or 9) not (split adj ring)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 11:36
L24	1	("3550988").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/11 11:37
L23	70	(5 or 6 or 7 or 8 or 9) and continuous	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/11 11:37